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Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG FARM RD, OCD ARTESIA

5. Lease Serial No. NNM107384

1a. Type of Well [X] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b. Type of Completion [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr. Other

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.

2. Name of Operator MURCHISON OIL & GAS LLC Contact: CINDY COTTRELL E-Mail: ccottrell@jdmii.com

8. Lease Name and Well No. ROCK RIDGE FEDERAL BSS 8H

3. Address LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400 PLANO, TX 75024-5002

3a. Phone No. (include area code) Ph: 972.931.0700

9. API Well No. 30-015-45874-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*
At surface NENE 805FNL 250FEL 32.193554 N Lat, 104.015999 W Lon
At top prod interval reported below SENE 2276FNL 330FEL
At total depth Lot 2 2323FNL 333FWL

10. Field and Pool, or Exploratory WILLOW LAKE-BONE SPRING
11. Sec., T., R., M., or Block and Survey or Area Sec 30 T24S R29E Mer NMP
12. County or Parish EDDY 13. State NM

14. Date Spudded 06/08/2019

15. Date T.D. Reached 08/07/2019

16. Date Completed [ ] D & A [X] Ready to Prod. 11/15/2019

17. Elevations (DF, KB, RT, GL)\* 2914 GL

18. Total Depth: MD 13216 TVD 8409

19. Plug Back T.D.: MD TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMARAY

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit analysis)
Directional Survey? [ ] No [X] Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Table with 10 columns: Hole Size, Size/Grade, Wt. (#/ft.), Top (MD), Bottom (MD), Stage Cementer Depth, No. of Sk. & Type of Cement, Slurry Vol. (BBL), Cement Top\*, Amount Pulled. Rows include 16.000, 12.250, 8.500.

24. Tubing Record

Table with 9 columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD).

25. Producing Intervals

26. Perforation Record

Table with 7 columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status. Row A) BONE SPRING 8665 13160 8665 TO 13160 0.420 1056 OPEN.

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Table with 2 columns: Depth Interval, Amount and Type of Material. Row: 8665 TO 13160 9,163,990# SD; 2,095 BBLs 15% HCL ACID; 290,647 BBLs TOTAL WATER VOLUME.

28. Production - Interval A

Table with 10 columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method. Row: 11/16/2019, 12/12/2019, 24, 1227, 2633.0, 1812.0, 49.6, FLOWS FROM WELL.

28a. Production - Interval B

Table with 10 columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method.

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #500233 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

Handwritten signature or initials.

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
BONE SPRING 2ND	8313	9382	OIL & GAS	DELAWARE	2766
				CHERRY CANYON	3703
				BRUSHY CANYON	5145
				AVALON SAND	6623
				BONE SPRING 1ST	7519
				BONE SPRING 2ND	8313
				BONE SPRING 3RD	9382
WOLFCAMP	9822				

TJD  
NR 8-4-09  
NR. TJD

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #500233 Verified by the BLM Well Information System.  
For MURCHISON OIL & GAS LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DINAH NEGRETE on 03/17/2020 (20DCN0031SE)**

Name (please print) CINDY COTTRELL Title REGULATORY COORDINATOR

Signature \_\_\_\_\_ (Electronic Submission) Date 01/22/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

## Revisions to Operator-Submitted EC Data for Well Completion #500233

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Lease:	NMNM107384	NMNM107384
Agreement:		
Operator:	MURCHISON OIL & GAS LLC 7250 DALLAS PARKWAY STE 1400 PLANO, TX 75024 Ph: 972-931-0700	MURCHISON OIL & GAS LLC LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400 PLANO, TX 75024-5002 Ph: 972.931.0700
Admin Contact:	CINDY COTTRELL REPORT PREPARER E-Mail: ccottrell@jdmii.com  Ph: 972-931-0700 Ext: 113	CINDY COTTRELL REGULATORY COORDINATOR E-Mail: ccottrell@jdmii.com  Ph: 972.931.0700
Tech Contact:	CINDY COTTRELL REPORT PREPARER E-Mail: ccottrell@jdmii.com  Ph: 972-931-0700 Ext: 113	CINDY COTTRELL REGULATORY COORDINATOR E-Mail: ccottrell@jdmii.com  Ph: 972.931.0700
Well Name: Number:	ROCK RIDGE FEDERAL BSS 8H	ROCK RIDGE FEDERAL BSS 8H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 30 T24S R29E Mer NMP NENE Lot A 805FNL 250FEL	NM EDDY Sec 30 T24S R29E Mer NMP NENE 805FNL 250FEL 32.193554 N Lat, 104.015999 W Lon
Field/Pool:	PIERCE CROSSING; BS S	WILLOW LAKE-BONE SPRING
Logs Run:	GAMMA RAY	GAMMARAY
Producing Intervals - Formations:	BONE SPRING	BONE SPRING
Porous Zones:	2ND BONE SPRING	BONE SPRING 2ND
Markers:	DELAWARE CHERRY CANYON BRUSHY CANYON AVALON SHALE 1ST BONE SPRING SAND 2ND BONE SPRING SAND 3RD BONE SPRING SAND WOLFCAMP	DELAWARE CHERRY CANYON BRUSHY CANYON AVALON SAND BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD WOLFCAMP